



ATTACHMENT B

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (canceled)
2. (currently amended - withdrawn) A loudspeaker according to claim 14, in which the carrier means are operable to shift the microphone between said two points.
3. (original - withdrawn) A loudspeaker according to claim 2, in which the carrier means are rotatable.
4. (currently amended - withdrawn) A loudspeaker according to claim 2, in which ~~the~~ a position of the microphone is shiftable by a translatoric displacement ~~along the carrier means.~~
5. (currently amended) A loudspeaker ~~according to claim 1,~~ comprising:
a sensor for the determination of the radiation resistance of a diaphragm, the radiation resistance expressed by the velocity/acceleration of the loudspeaker diaphragm and the sound pressure in a distance from the diaphragm, and thereby, via a signal processing unit, provide a control signal to a filter unit adjusting the performance of the loudspeaker in an adaptive manner to the acoustical characteristics of the listening room, said sensor comprising a microphone for detecting the sound pressure in at least two points differently spaced from the diaphragm;
a carrier means enabling the microphone to be effectively and successively exposed to the sound pressure in each of the at least two points; and
in which ~~a~~ the microphone is mounted in a stationary position and is acoustically connected with a sound guide tube having a free end located spaced from the diaphragm, said tubes being telescopically or otherwise adjustably arranged so as to

enable its free end to be shiftable between positions differently spaced from the diaphragm.

6. (currently amended - withdrawn) A loudspeaker according to claim 14, in which ~~a~~the microphone is mounted in a stationary position and operatively coupled to the ~~sound field~~diaphragm through tube means having free ends located at positions differently spaced from the diaphragm, valve means being provided for acoustically connecting the microphone selectively with either of said free ends.

7. (currently amended - withdrawn) A loudspeaker according to claim 14, in which a first microphone is stationarily mounted in a first position and a second microphone is mounted so as to be physically displaceable between at least one second position and ~~said first~~a third position; in close proximity to the first microphone in ~~that the first~~ position, both of the first and second microphones being connected to a calibration unit in said signal processing unit.

8. (currently amended - withdrawn) A loudspeaker according to claim 14, in which two microphones are arranged in connection with a carrier system enabling the two microphones to be operatively swapped between the two points~~positions and~~, optionally, ~~further position~~.

9. (currently amended - withdrawn) A loudspeaker according to claim 8, in which the two microphones are mounted on a rotatable carrier so as to be interchangeable by rotation of the carrier.

10. (currently amended - withdrawn) A loudspeaker according to claim 7, in which the first and second microphones are arranged on a support so as to be shiftable by a translatic movement therealong.

11. (currently amended - withdrawn) A loudspeaker according to claim ~~5~~14, in which two microphones are mounted in stationary positions, each selectively

connectable with sound guide tubes having respective free ends located differently spaced from the diaphragm.

12. (currently amended - withdrawn) A loudspeaker according to claim 14, in which ~~one or more~~the microphones ~~are~~is shiftable between three or more different positions differently spaced from the loudspeaker diaphragm.

13. (canceled)

14. (currently amended) A loudspeaker ~~according to claim 1,~~ comprising: a sensor for the determination of the radiation resistance of a diaphragm, the radiation resistance expressed by the velocity/acceleration of the loudspeaker diaphragm and the sound pressure in a distance from the diaphragm, and thereby, via a signal processing unit, provide a control signal to a filter unit adjusting the performance of the loudspeaker in an adaptive manner to the acoustical characteristics of the listening room, said sensor comprising a microphone for detecting the sound pressure in at least two points differently spaced from the diaphragm;

a carrier means enabling the microphone to be effectively and successively exposed to the sound pressure in each of the at least two points; and

in which the sound pressure is detected in a first point relatively close to the diaphragm, and in a second point further spaced from the diaphragm, and in which the signal processing unit operates to calculate the real part of the product of j (square root of minus 1) and the ratio between the sound pressures in the second and the first point, respectively.

15. (currently amended) A loudspeaker ~~according to claim 1,~~ comprising: a sensor for the determination of the radiation resistance of a diaphragm, the radiation resistance expressed by the velocity/acceleration of the loudspeaker diaphragm and the sound pressure in a distance from the diaphragm, and thereby, via a signal processing unit, provide a control signal to a filter unit adjusting the performance of the loudspeaker in an adaptive manner to the acoustical characteristics of the

listening room, said sensor comprising a microphone for detecting the sound pressure in at least two points differently spaced from the diaphragm;

a carrier means enabling the microphone to be effectively and successively exposed to the sound pressure in each of the at least two points; and

in which the sound pressure is detected in two points differently spaced from the diaphragm, and in which the signal processing unit operates to calculate the real part of the product of j (square root of minus 1) and the ratio between a sound pressure P and the difference between the sound pressure in said first and second points, P being either one of the two measured pressures or an average of the two measured pressures.

16. (canceled)

17. (canceled)

18. (new - withdrawn) A loudspeaker according to claim 15, in which the carrier means are operable to shift the microphone between said two points.

19. (new - withdrawn) A loudspeaker according to claim 18, in which the carrier means are rotatable.

20. (new - withdrawn) A loudspeaker according to claim 18, in which a position of the microphone is shiftable by a translatory displacement.

21. (new - withdrawn) A loudspeaker according to claim 15, in which the microphone is mounted in a stationary position and operatively coupled to the diaphragm through tube means having free ends located at positions differently spaced from the diaphragm, valve means being provided for acoustically connecting the microphone selectively with either of said free ends.

22. (new - withdrawn) A loudspeaker according to claim 15, in which a first microphone is stationarily mounted in a first position and a second microphone is mounted so as to be physically displaceable between at least one second position and a third position in close proximity to the first microphone in the first position, both of the first and second microphones being connected to a calibration unit in said signal processing unit.

23. (new - withdrawn) A loudspeaker according to claim 15, in which two microphones are arranged in connection with a carrier system enabling the two microphones to be operatively swapped between the two points.

24. (new - withdrawn) A loudspeaker according to claim 23, in which the two microphones are mounted on a rotatable carrier so as to be interchangeable by rotation of the carrier.

25. (new - withdrawn) A loudspeaker according to claim 22, in which the first and second microphones are arranged on a support so as to be shiftable by a translatic movement therealong.

26. (new - withdrawn) A loudspeaker according to claim 15, in which two microphones are mounted in stationary positions, each selectively connectable with sound guide tubes having respective free ends located differently spaced from the diaphragm.

27. (new - withdrawn) A loudspeaker according to claim 15, in which the microphone is shiftable between three or more different positions differently spaced from the loudspeaker diaphragm.